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1 Hypertext by link-resolving components   ◼
Frank Wm. Tompa, G. Elizabeth Blake, Darrell R. Raymond
December 1993 **Proceedings of the fifth ACM conference on Hypertext**
Publisher: ACM Press
Full text available: 📄 pdf(1.12 MB)   Additional Information: full citation, references, citings, index terms

Keywords: database keys, dynamic linking, hypertext system architecture, link resolution

2 A statechart-based model for hypermedia applications   ◼
Maria Cristina Ferreira de Oliveira, Marcelo Augusto Santos Turine, Paulo Cesar Masiero
January 2001 **ACM Transactions on Information Systems (TOIS)**, Volume 19 Issue 1
Publisher: ACM Press
Full text available: 📄 pdf(215.08 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

This paper presents a formal definition for HMBS (Hypermedia Model Based on Statecharts). HMBS uses the structure and execution semantics of statecharts to specify both the structural organization and the browsing semantics of hypermedia applications. Statecharts are an extension of finite-state machines and the model is thus a generalization of hypergraph-based hypertext models. Some of the most important features of HMBS are its ability to model hierarchy and synchronization of informatio ...

Keywords: HMBS, browsing semantics, hypermedia specification, navigational model, statecharts

3 The Rendezvous architecture and language for constructing multiuser applications ◼
Ralph D. Hill, Tom Brinck, Steven L. Rohall, John F. Patterson, Wayne Wilner
June 1994 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 1 Issue 2
Publisher: ACM Press
Full text available: 📄 pdf(3.25 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

When people have meetings or discussions, frequently they use conversational props:

physical models, drawings, or other concrete representations of information used to enhance the exchange of information. If the participants are geographically separated, it is difficult to make effective use of props since each physical prop can only exist in one place. Computer applications that allow two or more users to simultaneously view and manipulate the same data can be used to augm ...

Keywords: CSCW, UIMS, constraint maintenance, synchronous groupware

4 Intermedia: The architecture and construction of an object-oriented hypemedia system and applications framework
Norman Meyrowitz
June 1986 **ACM SIGPLAN Notices , Conference proceedings on Object-oriented programming systems, languages and applications OOPLSA '86**, Volume 21 Issue 11
Publisher: ACM Press
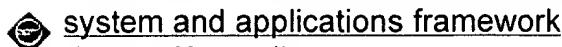
Full text available: pdf(1.96 MB)   Additional Information: full citation, abstract, references, citings, index terms

This article presents a case study of the development of the Intermedia system, a large, object-oriented hypermedia system and associated applications development framework providing sophisticated document linkages. First it presents the educational and technological objectives underlying the project. Subsequent sections capture the process of developing the Intermedia product and detail its architecture and construction, concentrating on the areas in which object-oriented technology has ha ...

5 Fast detection of communication patterns in distributed executions
Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**
Publisher: IBM Press

Full text available: pdf(4.21 MB)   Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

6 Session D: Virtual environments software: A display device abstraction for virtual reality applications
Henrik Tramberend
November 2001 **Proceedings of the 1st international conference on Computer graphics, virtual reality and visualisation**
Publisher: ACM Press

Full text available: pdf(553.89 KB)   Additional Information: full citation, abstract, references, index terms

This paper presents a component based display device abstraction that is expressive enough to model all of the most commonly used display device configurations in virtual reality applications. Because of its modularity it can not only adapt to the device configuration, but also efficiently utilize multi-pipe graphics hardware on multi-processor machines to achieve optimal performance for any configuration. By separating the frustum definition into two independent components, the eye point and th ...

Keywords: abstraction, computer graphics, display device, object orientation, virtual reality

7 Demonstrational and constraint-based techniques for pictorially specifying application objects and behaviors

Brad Vander Zanden, Brad A. Myers
December 1995 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 2 Issue 4
Publisher: ACM Press

Full text available: pdf(3.70 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

The Lapidary interface design tool is a demonstrational system that allows the graphics and run-time behaviors that go inside an application window to be specified pictorially. In particular, Lapidary allows the designer to draw example pictures of application-specific graphical objects that the end user will manipulate (such as boxes, arrows, or elements of a list), the feedback that shows which objects are selected (such as small boxes on the sides and corners of an objec ...

Keywords: direct manipulation, interaction, interaction techniques, object-oriented design, programming by example, user interface management systems

8 PROXHY: a process-oriented extensible hypertext architecture

Charles J. Kacmar, John J. Leggett
October 1991 **ACM Transactions on Information Systems (TOIS)**, Volume 9 Issue 4
Publisher: ACM Press

Full text available: pdf(1.56 MB)   Additional Information: full citation, references, citings, index terms, review

9 TAE Plus: Transportable Applications Environment Plus: a user interface development environment

Martha R. Szczur, Sylvia B. Sheppard
January 1993 **ACM Transactions on Information Systems (TOIS)**, Volume 11 Issue 1
Publisher: ACM Press

Full text available: pdf(1.99 MB)   Additional Information: full citation, abstract, references, citings, index terms

The Transportable Applications Environment Plus (TAE Plus) is a NASA-developed user interface development environment (UIDE) for the rapid prototyping, evaluation, implementation, and management of user interfaces. TAE Plus provides an intuitive What You See Is What You Get (WYSIWYG) WorkBench for designing an application's user interface. The WorkBench supports the creation and sequencing of displays, including real-time, data-driven display objects. Users can define context-sensitive help ...

Keywords: graphical user interfaces, prototyping, user interface development tools

10 System support for pervasive applications

Robert Grimm, Janet Davis, Eric Lemar, Adam Macbeth, Steven Swanson, Thomas Anderson, Brian Bershad, Gaetano Borriello, Steven Gribble, David Wetherall
November 2004 **ACM Transactions on Computer Systems (TOCS)**, Volume 22 Issue 4
Publisher: ACM Press

Full text available: pdf(1.82 MB)   Additional Information: full citation, abstract, references, index terms

Pervasive computing provides an attractive vision for the future of computing.

Computational power will be available everywhere. Mobile and stationary devices will dynamically connect and coordinate to seamlessly help people in accomplishing their tasks. For this vision to become a reality, developers must build applications that constantly adapt to a highly dynamic computing environment. To make the developers' task feasible, we present a system architecture for pervasive computing, called & ...

Keywords: Asynchronous events, checkpointing, discovery, logic/operation pattern, migration, one.world, pervasive computing, structured I/O, tuples, ubiquitous computing

11 Human-computer interface development: concepts and systems for its management ■

H. Rex Hartson, Deborah Hix
March 1989 **ACM Computing Surveys (CSUR)**, Volume 21 Issue 1
Publisher: ACM Press

Full text available: pdf(7.97 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

Human-computer interface management, from a computer science viewpoint, focuses on the process of developing quality human-computer interfaces, including their representation, design, implementation, execution, evaluation, and maintenance. This survey presents important concepts of interface management: dialogue independence, structural modeling, representation, interactive tools, rapid prototyping, development methodologies, and control structures. *Dialogue independence* is th ...

12 Pen computing: a technology overview and a vision ■

André Meyer
July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3
Publisher: ACM Press
Full text available: pdf(5.14 MB)   Additional Information: full citation, abstract, citings, index terms

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions.Starting with a short historic ...

13 An approach to support automatic generation of user interfaces ■

Prasun Dewan, Marvin Solomon
October 1990 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,
Volume 12 Issue 4
Publisher: ACM Press

Full text available: pdf(3.55 MB)   Additional Information: full citation, abstract, references, citings, index terms

In traditional interactive programming environments, each application individually manages its interaction with the human user. The result is duplication of effort in implementing user interface code and nonuniform—hence confusing—input conventions. This paper presents an approach to support automatic generation of user interfaces in environments based on algebraic languages. The approach supports the editing model of interaction, which allows a user to view all appli ...

14 Light hypermedia link services: a study of third party application integration ■

Hugh C. Davis, Simon Knight, Wendy Hall
September 1994 **Proceedings of the 1994 ACM European conference on Hypermedia technology**
Publisher: ACM Press

Full text available: pdf(1.11 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Recently there has been a tendency for the research community to move away from closed hypermedia syustems, towards open hypermedia link services which allow third parties to produce applications so that they are hypertext-enabled. This paper explores the frontiers of this trend by examining the minimum responsibility of an application to co-operate with the underlying link service, and, in the limiting case where the application has not been enabled in any way, it explores the properties a ...

Keywords: Microcosm, hypermedia link services, integration, open hypermedia

15 <u>A presentation manager based on application semantics</u>

S. McKay, W. York, M. McMahon

November 1989 **Proceedings of the 2nd annual ACM SIGGRAPH symposium on User interface software and technology**

Publisher: ACM Press

Full text available: pdf(1.16 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

We describe a system for associating the user interface entities of an application with their underlying semantic objects. The associations are classified by arranging the user interface entities in a type lattice in an object-oriented fashion. The interactive behavior of the application is described by defining application operations in terms of methods on the types in the type lattice. This scheme replaces the usual "active region" interaction model, and allows application int ...

16 <u>Designing and integrating user interfaces of geographic database applications</u>

Agnès Voisard

June 1994 **Proceedings of the workshop on Advanced visual interfaces**

Publisher: ACM Press

Full text available: pdf(1.02 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

In this paper, we investigate the problem of designing graphical geographic database user interfaces (GDUIs) and of integrating them into a database management system (DBMS). Geographic applications may vary widely but they all have common aspects due to the spatial component of their data: Geographic data are not standard and they require appropriate tools for (i) editing them (i.e., display and modify) and (ii) querying them. The conceptual problems encou ...

17 <u>There's more to menu systems than meets the screen</u>

Henry Lieberman

July 1985 **ACM SIGGRAPH Computer Graphics , Proceedings of the 12th annual conference on Computer graphics and interactive techniques SIGGRAPH '85**, Volume 19 Issue 3

Publisher: ACM Press

Full text available: pdf(890.98 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Love playing with those fancy menu-based graphical user interfaces, but afraid to program one yourself for your own application? Do windows seem opaque to you? Are you scared of mice? Like what-you-see-is-what-you-get but don't know how to get what you want to see on the screen?Everyone agrees using systems like graphical document illustrators, circuit designers, and iconic file systems is fun, but programming user interfaces for these systems isn't as much fun as it should be. Systems like the ...

18

Visualizing geospatial data
Theresa Marie Rhyne, Alan MacEachern, Theresa-Marie Rhyne
August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**
Publisher: ACM Press
Full text available: pdf(13.99 MB)   Additional Information: full citation, abstract

> This course reviews concepts and highlights new directions in GeoVisualization. We review four levels of integrating geospatial data and geographic information systems (GIS) with scientific and information visualization (VIS) methods. These include:• Rudimentary: minimal data sharing between the GIS and Vis systems• Operational: consistency of geospatial data• Functional: transparent communication between the GIS and Vis systems• Merged: one comprehensive toolkit environmentW ...

19 Model-driven development of Web applications: the AutoWeb system
Piero Fraternali, Paolo Paolini
October 2000 **ACM Transactions on Information Systems (TOIS)**, Volume 18 Issue 4
Publisher: ACM Press

Full text available: pdf(6.94 MB)   Additional Information: full citation, abstract, references, citings, index terms

> This paper describes a methodology for the development of WWW applications and a tool environment specifically tailored for the methodology. The methodology and the development environment are based upon models and techniques already used in the hypermedia, information systems, and software engineering fields, adapted and blended in an original mix. The foundation of the proposal is the conceptual design of WWW applications, using HDM-lite, a notation for the specification of structure, nav ...

> **Keywords**: HTML, WWW, application, development, intranet, modeling

20 The linked ArcView 2.1 and XGobi environment—GIS, dynamic statistical graphics, and spatial data
Jürgen Symanzik, James J. Majure, Dianne Cook
November 1996 **Proceedings of the 4th ACM international workshop on Advances in geographic information systems**
Publisher: ACM Press
Full text available: pdf(5.61 MB)   Additional Information: full citation, references, citings, index terms

Results 1 - 20 of 200   Result page: **1** 2 3 4 5 6 7 8 9 10   next

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	379	defin$ same link same application$1 same window$1	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L2	53811	("345").CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/22 16:15
L3	36491	@ad<="20020110" and (("345"). CLAS.)	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L4	15	(@ad<="20020110" and (("345"). CLAS.)) and (defin$ same link same application$1 same window$1)	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L5	0	(@ad<="20020110" and (("345"). CLAS.)) and (link same defin$ same mode same window$1 same icon$1)	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L6	1	(@ad<="20020110" and (("345"). CLAS.)) and (link same defin$ same window$1).ti,ab.	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L7	4	(@ad<="20020110" and (("345"). CLAS.)) and (link with defin$ with window$1)	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L8	0	(@ad<="20020110" and (("345"). CLAS.)) and (link with defin$ with window$1 with mode)	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L9	133	link with window$1 with mode	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L10	87	(link with window$1 with mode) and @ad<="20020110"	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L11	3	((link with window$1 with mode) and @ad<="20020110") and (("345").CLAS.)	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L12	6	("5625781" | "5712979" | "5724595" | "5768578" | "5801702" | "5854630").PN.	USPAT	OR	OFF	2005/12/22 16:15
L13	25	"6177936".URPN.	USPAT	OR	OFF	2005/12/22 16:15
L14	7	link$ with sequence with window$1 with mode	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L15	128	defin$ same link same window$1 same mode	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L16	86	@ad<="20020110" and (defin$ same link same window$1 same mode)	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L17	43	(@ad<="20020110" and (defin$ same link same window$1 same mode)) and database	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L18	7	defin$ with link with window$1 with mode	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15

L19	42	user same link with window$1 with mode	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L20	24	user with link with window$1 with mode	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L21	7	defin$ with link with mode with window$1	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L22	79	user same defin$ same link$1 same window$1 same mode	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L23	43	allow$1 same user same defin$ same link$1 same window$1 same mode	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L24	3619767	@ad<="20020110"	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L25	23	(allow$1 same user same defin$ same link$1 same window$1 same mode) and @ad<="20020110"	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L26	15	allow$ with user with defin$ with link$1 with window$1	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L27	20	defin$ with link with application with window$1	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L28	1	(US-5408659-$).did.	USPAT	OR	OFF	2005/12/22 16:15
L29	1	L28 and (storage memory)	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L30	1	(US-6177936-$).did.	USPAT	OR	OFF	2005/12/22 16:15
L31	1	L30 and (identif$ name$1)	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15
L32	1	L30 and (identif$ name$1) same (link$1)	US-PGPUB; USPAT	OR	OFF	2005/12/22 16:15